

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** An opto-electronic housing, comprising:
a substantially planar submount having a plurality of conductive traces on a planar surface thereof;
a metallic can attached to the planar surface of said submount forming a cavity having the planar surface of said submount on a first surface thereof and said can on at least a second surface thereof, said cavity having an opening for light to pass through; and
a transparent window in or covering said opening and attached to said can;
wherein said plurality of conductive traces [[extends]] extend along the planar surface of the submount from inside the cavity to beyond the can; and
wherein said cavity is hermetically sealed and comprises said window on a first surface, said submount on an opposing second surface, and said can on the surfaces interconnecting said window and said submount.
2. **(Original)** The opto-electronic housing according to claim 1, wherein said submount includes ceramic.
3. **(Cancelled)**
4. **(Original)** The opto-electronic housing according to claim 1, further including a micro lens array on the transparent window, wherein said micro lens array includes individual lens elements.

5. **(Original)** The opto-electronic housing according to claim 1, further including an opto-electronic array in said cavity, wherein said opto-electronic array is electrically connected to said conductive traces.
6. **(Original)** The opto-electronic housing according to claim 5, wherein said opto-electronic array includes a vertical cavity surface emitting laser (VCSEL).
7. **(Original)** The opto-electronic housing according to claim 5, wherein said opto-electronic array includes a photo detector.
8. **(Original)** The opto-electronic housing according to claim 5, wherein said opto-electronic array includes integrated lenses.
9. **(Original)** The opto-electronic housing according to claim 1, wherein a plurality of heat conductive plugs pass through said submount.

10. **(Currently Amended)** An opto-electronic device housing, comprising:
a substantially planar submount comprising a substantially planar surface;
a plurality of thru-via conductive contacts passing through said planar surface;
a plurality of opto-electronic devices mounted directly or indirectly on said submount, wherein each of said plurality of opto-electronic devices is in communication with at least one of said conductive contacts;
a metallic can attached to the planar surface of said submount and forming a cavity, wherein said can includes an opening for light to pass through, and wherein said cavity extends over said opto-electronic devices and said conductive contacts; and
a transparent window in or covering said opening and attached to said can;
wherein said cavity is hermetically sealed and comprises said window on a first surface, said submount on an opposing surface, and said can on the surfaces interconnecting said window and said submount.
11. **(Original)** The opto-electronic housing according to claim 10, wherein said submount includes ceramic.
12. **(Cancelled)**
13. **(Original)** The opto-electronic housing according to claim 10, further including a micro lens array on the transparent window, wherein said micro lens array includes individual lens elements.
14. **(Original)** The opto-electronic housing according to claim 10, further including an opto-electronic array in said cavity that is electrically connected to said conductive contacts.
15. **(Original)** The opto-electronic housing according to claim 14, wherein said opto-electronic array includes a vertical cavity surface emitting laser (VCSEL).

16. **(Original)** The opto-electronic housing according to claim 14, wherein said opto-electronic array includes a photo detector.

17. **(Original)** The opto-electronic housing according to claim 14, wherein the opto-electronic array includes integrated lenses.

18. **(Currently Amended)** An opto-electronic housing, comprising:

a substantially planar submount holding an opto-electronic array having a plurality of opto-electronic devices;

a metallic support comprising a central body, parallel legs, and guide pins, wherein said support is attached to said substantially planar submount and forms a cavity with an opening for light to pass through; and

a transparent window in or covering said opening and attached to said support, wherein a hermetic seal is formed, and wherein a cavity is formed, said cavity comprising said window on a first surface, said submount on an opposing surface, and said support on the surfaces interconnecting said window and said submount;

wherein a flexible ribbon-type optical cable having a plurality of optical fibers and openings that align with the guide pins can be mounted between said parallel legs, said guide pins fitting into said openings when the flexible ribbon-type optical cable is attached to said support.

19. **(Original)** The opto-electronic housing according to claim 18, wherein said opto-electronic array includes discrete optical elements, and wherein the optical elements optically align with said plurality of optical fibers when said flexible optical cable is attached to said support.

20. **(Currently Amended)** The opto-electronic housing according to claim 18, wherein the support is monolithic a metal support.

21. **(Previously Presented)** The opto-electronic housing according to claim 1, wherein said second surface further comprises a plurality of opto-electronic devices.

22. **(Currently Amended)** The opto-electronic housing according to claim 1, wherein said transparent window is bounded laterally by said metallic can said submount is substantially planar.

23. **(Currently Amended)** The opto-electronic housing according to claim 10, wherein said transparent window is bounded laterally by said metallic can said submount is substantially planar.

24. **(Currently Amended)** The opto-electronic housing according to claim 24, wherein said submount is substantially planar wherein said support is welded to said substantially planar submount.